

Claims

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- 1) Deodorizing compositions for human and animal excrement comprised of acidic agents and water soluble film forming polymers.
 - 2) Deodorizing compositions according to claim 1 wherein the animals are pets or livestock.
 - 3) Deodorizing compositions according to claim 1 wherein the composition is in an aqueous solution form.
 - 4) Deodorizing compositions according to claim 1 wherein the acidic agents are base neutralizers for the ammonia and indolic amines in the excrement.
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 - 5) Deodorizing compositions according to claim 1 wherein the acidic agents are biodegradable organic acids or their soluble salts.
 - 6) Deodorizing compositions according to claim 5 wherein the organic acids are selected from citric acid, glycolic acid, oxalic acid, polyacrylic acids.
 - 7) Deodorizing compositions according to claim 1 wherein the concentration range of the acids is 1% - 10% w/v.
 - 8) Deodorizing compositions according to claim 1 wherein the water soluble polymers are barrier forming agents for the vapor of the offensive odor producing compounds in the excrement.

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9) Deodorizing compositions according to claim 1 wherein the water soluble polymers are selected from: hydroxyethyl cellulose, polyethylene oxide, polyvinyl pyrrolidone, polyhydroxyethyl (meth)acrylate, polyvinyl alcohol, polyhydroxypropyl methacrylate, poly(meth)acrylamide.

10) Deodorizing compositions according to claim 1 wherein the concentration range of the water soluble polymers is 0.1% - 10% w/v.

11) Deodorizing compositions according to claim 1 wherein a fragrance is added to the compositions.

12) Deodorizing compositions according to claim 10 wherein the fragrance is Limonene.

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13) Deodorizing compositions according to claim 10 and 11 wherein the Limonene is in a concentration range of 0.01 - 0.005% w/v.

14) Compositions comprised of acidic agents and water soluble polymers and the water soluble polymers are barrier forming agents useful for slowing down the air oxidative and enzymatic nitrification of human and animal excrement ammonia and organic nitrogen, and for dispersing and attenuating nitrate concentrations in the environment and in the water reservoir.

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15) A method for applying deodorizing compositions to human and animal excrement wherein the compositions, according to claim 1, are in form of a spray and are applied by spraying them on the excrement.

16) A method for applying deodorizing compositions to excrement of livestock wherein the compositions, according to claim 1, are in liquid form and are applied by mixing them together with the excrement.

17) Deodorizing compositions as substantially hereinafter described and illustrated.

18) A method as substantially hereinafter described and illustrated.

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